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RADEM	RH 48.	U.S	S. PATENT	DOCUMENTS		1			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRI	ATE	
JW	5,252,316	10/12/1993	Kriech	baum et al.		ļ			
Ja	5,786,294	7/28/1998	Sachtler et al.		<u> </u>				
24	6,030,914	2/29/2000	Matsui						
JW	US 2001/0036437	12/1/2001	Gutsch	et al.					
Jal	6,511,642	1/28/2003	Hatana	ka et al.			<u></u>		
JW	US 2003/0125417	7/3/2003	Vanier	et al.					
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•		FOR	EIGN PAT	ENT DOCUMENTS					
	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	YES	ATION NO	
JW	EP 0 517 437 26/03/1		ЕРО						
JW	WO 99/59754	25/11/1999	WIPO				<u> </u>		
JW	WO 00/24676	4/05/2000	WIPO						
JW	WO 02/12123	14/02/2002	WIPC) 					
	OTHER DOCU	MENTS (Includ	ing Auth	or, Title, Date, Pertinen	t Pages, Etc	:.)			
JW	Yoldas, B., "Zirconium Oxides Formed by Hydrolytic Condensation of Alkoxides and Parameters That Affect Their Morphology," Journal of Materials Science, 21, pp. 1080-1086 (1986).								
JU	Caruso, et al., "ZrO2 Phase Structure in Coating Films and Powders Obtained by Sol-Gel Process," Journal of Sol-Gel Science and Technology, 3, pp. 241-247 (1994).								
EXAMINER Timothy C Vanoy				DATE CONSIDERED Feb 21 2006					
*FXAMINER:	Initial if reference considered, whi Include copy of this form with next	ether or not citation	is in confo			citation if not in	conformance	and not	
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APR 1 6 2004 2		Filing Date Group Art Unit							
- NA 10 2001 N		February 6, 2004	To be assigned						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
T. /	Moon, et al., "Preparation of Monodisperse and Spherical Zirconia Powders by Heating of Alcohol-Aqueous Salt Solut J. Am. Ceram. Soc., 78[10], pp. 2690-2694 (1995).								
Ja									
jw.	Matsui, et al., "Raman Spectroscopic Studies on the Formation Mechanism of Hydrous-Zirconia Fine Particles," J. Am. Ceram. Soc., 78[1], pp. 146-152 (1995).								
JW	Matsui, et al., "Formation Mechanism of Hydrous-Zirconia Particles Produced by Hydrolysis of ZrOCl2 Solutions," J. Am. Ceram. Soc., 80[8], pp. 1949-1956 (1997).								
JW	Rivas, et al., "Evolution of the Phase Content of Zirconia Powders Prepared by Sol-Gel Acid Hydrolysis," J. Am. Ceram. Soc., 81[1], pp. 200-204 (1998).								
JW	Helble, J., "Combustion Aerosol Synthesis of Nanoscale Ceramic Powders," J. Aerosol Sci., vol. 29, No. 5/6, pp. 721-736 (1998).								
gW	Hu et al., "Nanocrystallization and Phase Transformation in Monodispersed Ultrafine Zirconia Particles from Various Homogeneous Precipitation Methods," J. Am. Ceram. Soc., 82[9], pp. 2313-2320 (1999).								
.764	"Influence of Some Parameters on the Synthesis of ZrO2 Nanoparticles by Heating of Alcohol-Aqueous Salt Solutions," Journal of Nanoparticle Research, 1:349-352 (1999).								
Jev	Xia et al, "ZrO2 Nanopowders Prepared by Low-Temperature Vapor-Phase Hydrolysis," J. Am. Ceram. Soc., 83[5], pp. 1077-1080 (2000).								
zw	Matsui, et al., "Formation Mechanism of Hydrous-Zirconia Particles Produced by Hydrolysis ZrOC12 Solutions: II," J. Am. Ceram. Soc., 83[6], pp. 1386-1392 (2000).								
JW	Matsui, et al., "Formation Mechanism of Hydrous Zirconia Particles Produced by the Hydrolysis of ZrOCl2, Solutions: III, Kinectics Study for the Nucleation and Crystal-Growth Processes of Primary Particles," J. Am. Ceram. Soc., 84[101], pp. 2303-2312 (2001).								
gw·	Matsui, et al., "Formation Mechanism of Hydrous of Zirconia Particles Produced by Hydrolysis of ZrOC12 Solutions: IV, Effects of ZrOC12 Concerntration and Reaction Temperature," J. Am. Ceram. Soc., 85[3], pp. 545-553 (2002).								
JW	Limaye, et al., "Morphological Control of Zirconia Nanoparticles Through Combustion Aerosol Synthesis," J. Am. Ceram. Soc., 85[7], pp. 1127-1132 (2002).								
EXAMINER		DATE CONSIDERED							
Im	othy C Vanoy	Feb 21 2006							
I	0 0	1.000							

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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IRA	•	13584 US	10/773,941				
(IATION DISCLOSURE CITATION (Use several sheets if necessary)	Applicant(s) Millennium Inorganic Chemicals, Inc					
APR 1 6 2004 %		Filing Date	Group Art Unit				
2	<u> </u>	February 6, 2004	To be assigned				
PANINER AND PANING	OTHER DOCUMENTS (Including Author,		·				
JW	Deng, et al., "New Hydrolytic Process for Produ J. Am. Ceram. Soc., 85[11], pp. 2837-2839 (2002	cing Zirconium Dioxide, Tin Dioxide, a).	and Titanium Dioxide Nanoparticles,''				
JW	Xie, Y., "Preparation of Ultrafine Zirconia Part	icles," J. Am. Ceram. Soc., 82[3], pp. 7	68-770 (1999). ·				
yal	Burton, et al., "Optimisation of the Preparation www.zrchem.com/frames.html, undated, downlo	of Ceria/Zirconia Mixed Oxides by a Soaded December 11, 2003.	Statistical Approach,"				
.JW	"General Data Sheets on Zirconium Catalyst Products," www.zrchem.com/catalysisprods.html, undated, downloaded J 5, 2004.						
	"Zirconium Compounds in Cataysts," www.zrc	hem.com, November/December 1992.					
	"Sulfated Zirconia A Catalyst Isomerisation R	eactions," undated.					
•		·					
EXAMINER Timothy (Vanoy	DATE CONSIDERED Feb 21 2006	• .				
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conformance and not considered. Include copy of this form with next communication to applicant.